

Product datasheet for **RC200109**

DHRS4 (NM_021004) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DHRS4 (NM_021004) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DHRS4
Synonyms:	CR; NRDR; PHCR; PSCD; SCAD-SRL; SDR-SRL; SDR25C1; SDR25C2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC200109 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAGGCTGCTAGGCCTCTGTGCCTGGGCACGGAAGTCGGTGC GGTTGGCCAGCTCCAGGATGACCC
GCCGGGACCCGCTCACAATAAGGTGGCCCTGGTAACGGCCTCCACCGACGGGATCGGCTTCGCCATCGC
CCGGCGTTTGGCCAGGACAGGGCCACGTGGTCGTCAGCAGCCGGAAGCAGCAGAATGTGGACCAGGCG
GTGGCCACGCTGCAGGGGAGGGGCTGAGCGTGACGGGCACTGTGTGCCATGTGGGAAGGCGGAGGACC
GGGAGCGGCTGGTGGCCATGGCTGTGAAGCTTCATGGAGGTATCGATATCCTAGTCTCCAATGCTGCTGT
CAACCTTTCTTTGGAAGCCTAATGGATGTCACCGAGGAGGTGTGGGACAAGACTCTGGACATTAATGTG
AAGGCCCCAGCCCTGATGACAAAGGCAGTGGTGCCAGAAATGGAGAAACGAGGAGCGGCTCAGTGGTGA
TCGTGTCTTCCATAGCAGCCTTCAGTCCATCTCCTGGCTTCAGTCCTTACAATGTCAGTAAAACAGCCTT
GCTGGGCTCAACAATACCCTGGCCATAGAGCTGGCCCAAGGAACATTAGGGTGAAGTGCCTGCACCTG
GACTTATCAAGACTAGCTTCAGCAGGATGCTCTGGATGGACAAGGAAAAAGAGGAAAGCA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq Size: 1315 bp

RefSeq ORF: 837 bp

Locus ID: 10901

UniProt ID: [Q9BTZ2](#)

Cytogenetics: 14q11.2

Domains: adh_short

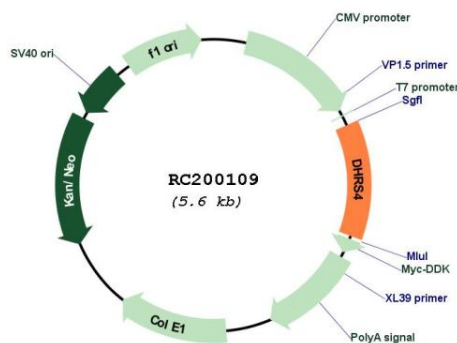
Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Retinol metabolism

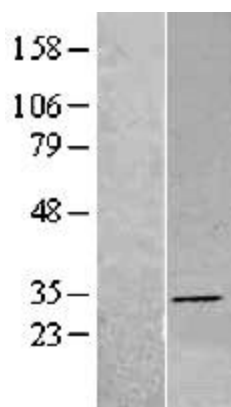
MW: 24.6 kDa

Gene Summary: Reduces all-trans-retinal and 9-cis retinal. Can also catalyze the oxidation of all-trans-retinol with NADP as co-factor, but with much lower efficiency. Reduces alkyl phenyl ketones and alpha-dicarbonyl compounds with aromatic rings, such as pyrimidine-4-aldehyde, 3-benzoylpyridine, 4-benzoylpyridine, menadione and 4-hexanoylpyridine. Has no activity towards aliphatic aldehydes and ketones (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC200109



Western blot validation of overexpression lysate (Cat# [LY402821]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200109 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).